

DP- 309551

**A HEATING, VENTILATION, AND AIR CONDITIONING SYSTEM HAVING A
FILM VALVE AND FILM FOR CONTROLLING AIR FLOW**

ABSTRACT OF THE DISCLOSURE

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A HVAC system of a motor vehicle includes a film having openings defined therein and moveable between open and closed positions. The film regulates airflow by opening and closing apertures defined in a housing of the HVAC system. The film is disposed in a film valve assembly containing first and second rollers that wind and unwind the film. The film
10 includes a substrate that includes a fiber selected from the group of polyester-based fibers, glass-based fibers, and combinations thereof. An elastomeric layer is disposed on the substrate layer. The substrate also includes a silicone layer disposed on the elastomeric layer for minimizing noise created as the film moves between the open and closed positions.